

## WHAT IS CLAIMED IS:

1. A compressor of an air conditioner of an automobile with capability to dissipate heat produced by itself, comprising  
a main body having a fixed sleeve, and a connecting shaft received in the sleeve and connected to inner parts thereof;  
a circular electromagnet fixedly disposed around the sleeve of the main body;  
a rotary wheel having a middle hole, and a bearing fitted in the middle hole; the rotary wheel being arranged next to the electromagnet, and turnably connected to the main body with the bearing being connected to the sleeve; and  
a co-moving disk connected to the connecting shaft of the main body at a middle tube thereof; the co-moving disk being capable of being attracted onto the rotary wheel so as to rotate together with the wheel to cause the connecting shaft of the main body to rotate when the electromagnet is powered;  
the rotary wheel being formed with a plurality of vent holes near to an edge thereof for allowing airflow caused by rotation of the wheel to pass onto the main body; the rotary wheel being formed with blades next to respective ones of the vent holes thereof for increasing rate of flow of air through the vent holes onto the main body.